

Advantages of LED lamps

LED lamps are solid state devices and contain inherent properties which provide the following

High Reliability (when used within specification)

Long operating life

Low power consumption

Shock and vibration resistant

No UV or IR radiation

Safe operating voltage

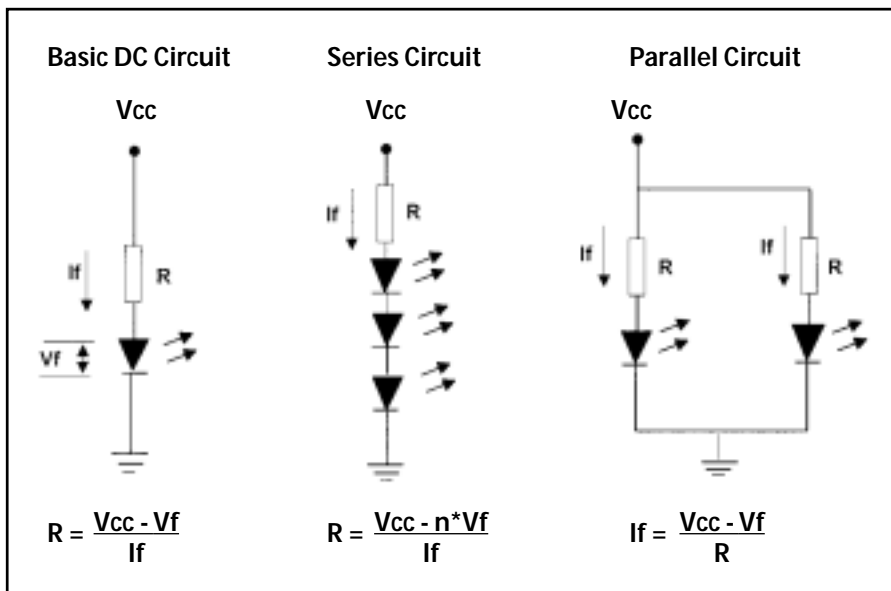
Low heat dissipation

Easily driven, switchable and dimmable

Electrical Considerations

Light Emitting Diodes are current dependant devices, when electrical current is passed through the junction in the forward direction energy is released in the form of light. The amount of energy is dependant on the material and proportional to the current applied within a given range.

Drive circuits must overcome the LED'S rated forward voltage and control the current within the device's specification. Use Ohms law to calculate the resistance and current values dependant on the selected LED.



The light output of high performance LED products may be harmful to the human eye if viewed directly at close proximity for more than a few seconds.